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ABSTRACT

Beginning with institutional data from the National Center for Education Statistics (NCES) and demographic data and projections from the Bureau of the Census, total enrollment is projected using expected enrollment rates. Tables show the 1977-88 data, the 1988-89 estimates, and the 1999-2000 projections, along with percent changes between these periods. The following categories are covered: (1) population 5-44 years old; (2) public and private elementary/secondary education by enrollment, high school graduates, classroom teachers, and pupil-teacher ratios; (3) public schools by current expenditures, current expenditures per pupil, and average annual salaries for teachers; (4) higher education by enrollment, public or private, 2-year or 4-year institution, sex of students, age of students, attendance status, level, instructional faculty, earned degrees, and expenditures. Technical notes discuss the methodology and sources of data for these projections. An address where further information may be obtained is included. (MLF)

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Pocket Projections

1990

NATIONAL CENTER FOR EDUCATION STATISTICS
Office of Educational Research and Improvement
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Pocket Projections
1977-78 to 1999-2000

Characteristic	1977-78	1988-89 (estimate)	1999-2000 (projected)	Percent change, 1977-78 to 1988-89	Percent change, 1988-89 to 1999-2000
		Population [1]			
		(Numbers in thousands)			
5-13 years old	32,855	31,374	33,690	- 5	7
14-17 years old	17,045	13,970	15,269	- 18	9
18 years old	4,257	3,717	3,712	- 13	(*)
18-24 years old	29,174	26,904	24,783	- 8	- 8
25-29 years old	18,277	22,001	18,148	20	- 18
30-34 years old	15,721	21,860	19,658	39	-10
35-44 years old	22,563	35,321	44,022	57	25
		Elementary/secondary education			
		(Numbers in thousands)			
Enrollment					
Total	48,716	45,438	49,668	- 7	9
Public	43,577	40,196	43,954	- 8	9
Private	5,140	5,241	5,714	2	9
Kindergarten-grade 8	33,133	32,426	34,954	- 2	8
Public	29,336	28,390	30,603	- 3	8
Private	3,797	4,036	4,351	6	8
Grades 9-12	15,583	13,012	14,715	- 16	13
Public	14,240	11,806	13,351	- 17	13
Private	1,343	1,206	1,364	- 10	13
High school graduates					
Total	3,127	2,781	2,937	- 11	6
Public	2,825	2,491	2,622	- 12	5
Private	302	291	315	- 4	8
Classroom teachers					
Total	2,488	2,641	3,053	6	16
Public	2,209	2,296	2,656	4	16
Private	279	345	397	24	15
Elementary	1,375	1,563	1,783	14	14
Public	1,185	1,312	1,497	11	14
Private	190	251	286	32	14
Secondary	1,113	1,078	1,270	- 3	18
Public	1,024	984	1,159	- 4	18
Private	89	94	111	6	18

See footnotes at end of table.

Pocket Projections
1977–78 to 1999–2000

Characteristic	1977–78	1988–89 (estimate)	1999–2000 (projected)	Percent change, 1977–78 to 1988–89	Percent change, 1988–89 to 1999–2000
		Elementary/secondary education			
Pupil teacher ratios [2]		[In units]			
Public					
Elementary	21.1	19.2	17.9	—	—
Secondary	18.2	15.2	14.8	—	—
Private					
Elementary	20.0	16.1	15.2	—	—
Secondary	15.1	12.8	12.3	—	—
Expenditures		(Billions of constant 1987–88 dollars)			
Current expenditures in public schools [3]	$135.1	$161.5	$212.0	20	31
		(Constant 1987–88 dollars)			
Current expenditures per pupil in average daily attendance in public schools	$3,371	$4,348	$5,221	29	20
Average annual salaries for teachers in public schools	$26,259	$28,584	$32,586	9	14
		Higher education (Numbers in thousands)			
Enrollment					
Total	11,286	12,849	13,282	14	3
Control of institution					
Public	8,847	10,045	10,356	14	3
Private	2,439	2,804	2,926	15	4
Type of institution					
4-year	7,243	8,027	8,299	11	3
2-year	4,043	4,822	4,983	19	3
Sex of student					
Men	5,789	5,946	6,075	3	2
Women	5,497	6,904	7,207	26	4
Age [4]					
19 years & under	2,957	3,158	3,479	7	10
20–21 years old	2,271	2,392	2,577	5	8
22–24 years old	1,764	1,967	1,802	12	- 8
25–29 years old	1,844	1,939	1,623	5	- 16
30–34 years old	1,039	1,326	1,193	28	- 10
35 years & over	1,411	2,069	2,608	47	26
Attendance status					
Full-time	6,793	7,371	7,481	9	1
Part-time	4,493	5,478	5,801	22	6
Level					
Undergraduate	9,717	11,137	11,485	15	3
Graduate	1,319	1,444	1,526	9	6
First-professional	251	268	271	7	1
Full-time-equivalent	8,415	9,267	9,576	10	3

Characteristic	1977–78	1988–89 (estimate)	1999–2000 (projected)	Percent change, 1977–78 to 1988–89	Percent change, 1988–89 to 1999–2000
Faculty					
Instructional faculty	678	741	765	9	3
Earned degrees					
Associate	412	439	461	6	5
Men	205	192	201	- 6	5
Women	208	247	261	19	6
Bachelor's	921	994	976	8	- 2
Men	487	473	467	- 3	- 1
Women	434	521	509	20	- 2
Master's	312	293	286	- 6	- 2
Men	161	137	137	- 15	(*)
Women	150	156	150	4	- 4
Doctor's	32	34	35	6	3
Men	24	22	17	- 9	- 23
Women	8	13	18	49	46
First-professional	67	72	67	9	- 7
Men	52	46	40	- 11	- 13
Women	14	26	27	80	4
Expenditures	(Billions of constant 1987–88 dollars)				
Current-fund expenditures [5]					
Total	$85.0	$115.5	$144.4	36	25
Public	56.8	75.4	92.4	33	23
Private	28.2	40.1	52.0	42	30

Technical Notes

General Projection Methodology

Beginning with institutional data from the National Center for Education Statistics (NCES) and demographic data and projections from the Bureau of the Census, total enrollment is projected using expected enrollment rates. Exponential smoothing and multiple linear regression are the two major projection techniques used to forecast these rates. Demographic assumptions used by NCES are consistent with the Bureau of the Census middle series projections. Elementary and secondary expenditure projections are produced using multiple linear regression. Higher education expenditure projections are produced using multiple linear regression and exponential smoothing.

For methodological details on the assumptions and methods used to develop these projections, see *Projections of Education Statistics to 2000*.

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(*) Between - 0.5 and 0.5.

[1] Population projections are middle series projections from the Bureau of the Census. Population data for 1988–89 are projected.
[2] Based on enrollment by organizational level.
[3] Excludes capital outlay and interest.
[4] Data for 1977–78 are estimated.
[5] Excludes additions to physical plant value.

NOTE: Because of rounding, details may not add to totals. Percentages are based on unrounded numbers.

END

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